



STABILISED CAMERA MOUNTS

Shotover F1

The latest addition to the ACS Aerial Unit's inventory of advanced stabilised mounts, the Shotover F1 provides production teams with significant flexibility of camera and lens type with over 120 combinations currently available.

Whether you wish to shoot HD, 4K live or with large lens sensor formats, the ACS Shotover F1 can be configured to the requirements of your shoot. In addition to aerial filming work, the Shotover F1 can be inverted for use on tracking vehicles, boats and cranes. A telemetry control system is also in development to facilitate remote operation, ideal for rail or wire system applications.

The Shotover F1 is supplied with an ACS heli kit (includes monitors, power distribution etc.) and AS350/355 AFSP1 helicopter nose mount bracket as standard. The mount is ITAR free so there are no international restrictions on where the system can be used.

Features include:

- Over 120 camera & lens combinations including 6K, 4K, Super 35 and Hi-Definition video formats 6K
- 6-axis gyro stabilised with look down capability

- Compact carbon fibre construction allowing shipping via excess baggage
- Auto or steerable horizon with the most advanced steering capabilities on the market
- Customisable graphics overlay for real time operator feedback
- Fibre optic video data transfer for clean 3GHz imagery

Optional extras include:

- Remote controlled lens polarizer kit
- Rain spinner assembly
- Excess baggage shipping cases
- Reference recorders (Solid State)
- Telemetry control system (in development)

Technical Specifications

STABILIZATION:

6 axis with no gimbal lock.
High performance non-ITAR sensors
Distributed multi-processor closed loop servo control system
Proprietary gimbal control algorithms

GIMBAL FIELD OF VIEW:

Pan: 360° continuous (via electrical and optical rotary joints)
Tilt: +45° to 140°
Roll: +/- 85° (steerable for auto horizon)
Max slew rate: 100°/second

DATA/COMMUNICATION:

Fibre optic lines/ CAN Bus/ RS422 Serial Bus/ Ethernet

WEIGHT:

Turret with maximum payload: Less than 59KG (130lbs)
Operator control unit: 2.7 KG (6lbs)
Junction control box: 4KG (9lbs)
External cable set: 2.5KG (5.5lbs)

POWER:

19-32 VDC 12 Amps Max Draw (at 28V)

ENVIRONMENTAL:

Operating temperature: -20°C to +50°C

OPERATOR CONTROL UNIT:

Customizable video overlay (monitor output)
Recess for camera remotes such as Sony RM-B750, Arri RCU-4, Canon RC-V100

